MATERIAL SAFETY DATA SHEET

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MANUFACTURER'S NAME BANDINI FERTILIZER COMPANY SUPPORTING NO CHEMITREC (80) 424-9300 MANUFACTURER (213) 263-7391 MAN	SECTION I								
A 139 BANDINI BLVD., LÓS ANGELES, CA 90023	BANDINI FERTILIZER COMPANY		6	NO. CHEMTREC					
CHEMICAL NAME AND SYNONYMS TRADE NAME AND SYNONYMS SEE SECTION II G-10-4 GRO RITE			{	MANUFACTURER					
SEE SECTION				(213) 263-7391					
CHEMICAL FAMILY 97% INORGANIC SALTS 3% ORGANIC SALTS 3% ORGANIC SALTS 10ENTIFICATION NO. NONE N	CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS							
97% INORGANIC SALTS 3% ORGANIC SALTS 1DENTIFICATION NO. NONE NONE NONE NONE	SEE SECTION II	6-10-4 GRO RITE							
NA NORGANIC SALTS N/A		CHEMICAL FORMULA							
IDENTIFICATION NO. NO. NO. NO. NO. NO.									
NONE NONE NONE NONE NONE									
SECTION II - HAZARDOUS INGREDIENTS WT. % CAS #			P						
TYPICAL ANALYSIS WT. % CAS #	NON-HAZARDOUS	NONE		NONE					
TREBLE SUPERPHOSPHATE AMMONIUM SULFATE AMMONIUM SULFATE AMMONIUM SULFATE BYPSUM CAS # 23 00 65996-95 4 27 50 7783-20-2 27 50 7783-20-2 MURIATE OF POTASH (KCL) GYPSUM 27 50 10101-41-4 UREA 3.00 57-13-6 SUL-PO-MAG 2.50 14977-37-8 20-5-10 (MIRACLE) GRANUSOL PLASTER SECTION III - PHYSICAL DATA BOILING POINT (°F.) N/A VAPOR PRESSURE (mmHg.) N/A VAPOR DENSITY (AIR = 1) N/A SOLUBILITY IN WATER APPRECIABLE APPREARANCE AND ODOR	SECTION II - HAZARDOUS INGREDIENTS								
TREBLE SUPERPHOSPHATE AMMONIUM SULFATE AMMONIUM SULFATE BOILING POINT (°F.) VAPOR PRESSURE (mmHg.) N/A SOLUBILITY IN WATER APPRECIABLE AMMONIUM SULFATE 23.00 65996-95-4 7783-20-2 7783-20-		TYPICAL ANALYSIS							
AMMONIUM SULFATE MURIATE OF POTASH (KCL) GYPSUM UREA SUL-PO-MAG SUL-PO-MAG 2.50 14977-37-8 20-5-10 (MIRACLE) GRANUSOL PLASTER SECTION III - PHYSICAL DATA BOILING POINT (°F.) N/A VAPOR PRESSURE (mmHg.) N/A VAPOR DENSITY (AIR = 1) N/A SOLUBILITY IN WATER APPRECIABLE APPEARANCE AND ODOR 7783-20-2 7		<u>v</u>	VT. %	CAS#					
MURIATE OF POTASH (KCL) GYPSUM 27.50 10101-41-4 UREA 3.00 57-13-6 SUL-PO-MAG 2.50 14977-37-8 20-5-10 (MIRACLE) GRANUSOL PLASTER SECTION III - PHYSICAL DATA BOILING POINT (°F.) N/A VAPOR PRESSURE (mmHg.) N/A VAPOR DENSITY (AIR = 1) N/A SOLUBILITY IN WATER APPRECIABLE APPEARANCE AND ODOR 10101-41-4 9.75 7447-40-7 10101-41-4 9.75 7447-40-7 10101-41-4 9.75 7447-40-7 10101-41-4 9.75 7447-40-7 10101-41-4 9.75 10101-41-4 10101-41-4 104977-37-8 10497-37-8 1	TREBLE SUPERPHOSPHATE		23.00	65996-95-4					
GYPSUM 27.50 10101-41-4 UREA 3.00 57-13-6 SUL-PO-MAG 2.50 14977-37-8 20-5-10 (MIRACLE) 2.50 N/A GRANUSOL 4.00 1309-37-1 PLASTER 5.00 N/A SECTION III - PHYSICAL DATA BOILING POINT (°F.) SPECIFIC GRAVITY (H;0=1) N/A VAPOR PRESSURE (mmHg.) N/A N/A VAPOR DENSITY (AIR = 1) N/A EVAPORATION RATE (=1) N/A SOLUBILITY IN WATER APPRECIABLE APPRECIABLE	AMMONIUM SULFATE		22.75	7783-20-2					
UREA SUL-PO-MAG 20-5-10 (MIRACLE) 20-5-10 (MIRAC	MURIATE OF POTASH (KCL)		9.75	7447-40-7					
SUL-PO-MAG 2.50 14977-37-8 20-5-10 (MIRACLE) 2.50 N/A GRANUSOL PLASTER SECTION III - PHYSICAL DATA BOILING POINT (°F.) N/A VAPOR PRESSURE (mmHg.) N/A VAPOR DENSITY (AIR = 1) N/A SOLUBILITY IN WATER APPEARANCE AND ODOR 14977-37-8 2.50 N/A SECTION III - PHYSICAL DATA SPECIFIC GRAVITY (H ₂ O=1) N/A N/A N/A N/A EVAPORATION RATE (=1) N/A APPEARANCE AND ODOR	GYPSUM		27.50	10101-41-4					
20-5-10 (MIRACLE) GRANUSOL PLASTER SECTION III - PHYSICAL DATA BOILING POINT (°F.) N/A VAPOR PRESSURE (mmHg.) N/A VAPOR DENSITY (AIR = 1) N/A SOLUBILITY IN WATER APPRECIABLE APPEARANCE AND ODOR N/A SOLUBILITY IN WATER APPRECIABLE	UREA		3.00	57-13-6					
## SECTION III - PHYSICAL DATA SECTION III - PHYSICAL DATA	SUL-PO-MAG		2.50	14977-37-8					
PLASTER	20-5-10 (MIRACLE)		2.50	N/A					
SECTION PHYSICAL DATA	GRANUSOL		4.00	1309-37-1					
BOILING POINT (°F.) N/A VAPOR PRESSURE (mmHg.) N/A VAPOR DENSITY (AIR = 1) N/A SOLUBILITY IN WATER APPEARANCE AND ODOR SPECIFIC GRAVITY (H ₂ O=1) N/A PERCENT VOLATILE BY VOLUME (%) N/A EVAPORATION RATE (=1) N/A N/A APPEARANCE AND ODOR	PLASTER								
BOILING POINT (°F.) N/A VAPOR PRESSURE (mmHg.) N/A VAPOR DENSITY (AIR = 1) N/A SOLUBILITY IN WATER APPEARANCE AND ODOR SPECIFIC GRAVITY (H ₂ O=1) N/A PERCENT VOLATILE BY VOLUME (%) N/A EVAPORATION RATE (=1) N/A N/A APPEARANCE AND ODOR									
N/A VAPOR PRESSURE (mmHg.) N/A VAPOR DENSITY (AIR = 1) N/A SOLUBILITY IN WATER APPEARANCE AND ODOR N/A N/A PERCENT VOLATILE BY VOLUME (%) N/A EVAPORATION RATE (=1) N/A N/A N/A APPEARANCE AND ODOR	POUNC POINT (05)								
VAPOR PRESSURE (mmHg.) PERCENT VOLATILE BY VOLUME (%) N/A N/A VAPOR DENSITY (AIR = 1) EVAPORATION RATE (=1) N/A N/A SOLUBILITY IN WATER APPRECIABLE APPEARANCE AND ODOR APPEARANCE AND ODOR	• •	SPECIFIC GRAVITY (H ₂ O=1)		2146					
N/A VAPOR DENSITY (AIR = 1) N/A SOLUBILITY IN WATER APPEARANCE AND ODOR N/A EVAPORATION RATE (=1) N/A N/A N/A N/A N/A APPEARANCE AND ODOR		DEDCENT VOLATILE DV VOLUME	(0/)	N/A					
N/A N/A SOLUBILITY IN WATER APPEARANCE AND ODOR	N/A			N/A					
APPEARANCE AND ODOR	N/A	EVAPORATION RATE (=1)	N/A					
APPEARANCE AND ODOR									
GRANULES									
	GRANULES								

SECTION IV - FIRE AND EXPLOSION	N HAZARD DATA	
FLASH POINT (METHOD USED)	FLAMMABLE	LIMITS
NON-FLAMMABLE	N/A	N/A
EXTINGUISHING MEDIA		
USE SUITABLE AGENT SUCH AS WATER, DRY POWDER, FOAM, O	R CO₂	
SPECIAL FIRE FIGHTING PROCEDURES		
APPROVED SELF-CONTAINED BREATHING APPARATUS FOR FIRE	FIGHTERS.	
UNUSUAL FIRE AND EXPLOSION HAZARDS		
	IDON CHIEFO TRACES OF FULL	0 DUIT 0=
AT DECOMPOSING TEMPERATURES TOXIC GASES OF AMMONIA,	IRON FUMES, TRACES OF FLUI	ORINE CAN BE
LIBERATED.		

6-10-4 GRO-RITE								
				SECTION	ON V - HE	ALTH HAZ	ARD DATA	
THRESHOLD LIMI								
NUISANCE DU			M"; IRON S	ULFATE	AS IRON	I 1Mg/M ³	ACGIH 1992	
EFFECTS OF OVE			AAVDE MIL	DIVENI	MODEDA	TELVIDOLT	TATINIO TO 6	CIVINI EVEC AND DECDIDATORY
PROLONGED CONTACT MAYBE MILDLY TO MODERATELY IRRITATING TO SKIN, EYES AND RESPIRATORY MUCOUS MEMBRANES.								
EMERGENCY AND) FIRST	AID PE	ROCEDURES					
					S - WASH	I FOR FIFT	EEN (15) M	INUTES OR UNTIL IRRITATION
								IF PERSON BECOMES ILL TAKE
PERSON AND	PRODU	JCT -	CONTAINE	R/LABEL	TO THE	NEAREST	EMERGENO	Y TREATMENT CENTER OR
HOSPITAL. NO	OT LIST	ΓED .	AS A CARC	INOGEN	BY OSH	A OR NTP.		
				SEC	TION VI -	REACTIVIT	TY DATA	
STABILITY	UNSTA	BLE		CONDITIO	ONS TO AVO	DID		
Ì				AVOID I	MOISTUR	E AND HEA	AT. KEEP A	WAY FROM MINERAL ACIDS
ĺ	STABL	E						
			Χ					
INCOMPATIBILITY (MATERIALS TO AVOID) MINERAL ACIDS								
HAZARDOUS DEC								
TOXIC GASES	OF AN			-UMES A	ND TRAC	ES OF FLU		To A LOD
HAZARDOUS POLYMERIZATION	, (MAY	OCCUR				CONDITIONS	S TO AVOID
		WILL	NOT OCCUP	5		X		
· · · · · · · · · · · · · · · · · · ·			SE	CTION V	/II - SPILL	OR LEAK	PRDCEDU	RES
STEPS TO BE TAK	ENINC	ASE N						
								ECTION SECTION IV. CONTAIN TO
PREVENT ENTRY INTO SEWER OR WATER COURSE. WEAR PROTECTIVE CLOTHING, GLOVES AND EYE								
PROTECTION WHEN HANDLING THIS MATERIAL.								
WASTE DISPOSAL								
								POSE OF IN A MANNER CONSISTENT
WITH APPLICABLE REGULATIONS. ALWAYS CHECK WITH LOCAL HEALTH AUTHORITIES FOR APPROVED								
DISPOSAL METHODS. RECLAIM MATERIAL IF PRACTICABLE. WEAR PROTECTIVE GEAR AT ALL TIMES.								
SECTION VIII - SPECIAL PROTECTION INFORMATION								
RESPIRATORY PROTECTION (Specify type)								
USE NIOSHA/N	<u>ASHA A</u>							· · · · · · · · · · · · · · · · · · ·
VENTILATION OPEN		[[OCAL EXHAUS	3 l				SPECIAL
OPEN		M	ECHANICAL (General)				OTHER
								OWEN
PROTECTIVE GLOVES				EYE PROT				
IMPERVIDUS PROTECTIVE GLOVES				CHEMICAL GOGGLES				
OTHER PROTECTIVE EQUIPMENT CHANGE CLOTHES DAILY, BATHE DAILY, WASH CLOTHING SEPARATELY BEFORE REUSE.								
CHANGE CLU	I HES L	//\/L_1	, BATHE D					
PRECAUTIONS TO	BE TAK	ENIN	I HANDLING A			ECIAL PRE	CAUTIONS)
						OUGHLY A	ETER HANI	DLING AND BEFORE EATING. STORE
IN DRY COOL				, • • • • •		COMET		ELITOTING DEL CITE ENTING. OTOILE
OTHER PRESAUT	IONE							
OTHER PRECAUT CORROSIVE T		PER	AND ITS A	LLOYS.				

MATERIAL SAFETY DATA SHEET PREPARED: UPDATE 11/21/95
PREPARED BY BANDINI FERTILIZER COMPANY BY A. CERA (CHEMIST - IH)